

To: Zartarian, Valerie[Zartarian.Valerie@epa.gov]; Alapaty, Kiran[Alapaty.Kiran@epa.gov]; Strynar, Mark[Strynar.Mark@epa.gov]
From: Lindstrom, Andrew[/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=04BF7CF26AA44CE29763FBC1C1B2338E-LINDSTROM, ANDREW]
Sent: Wed 1/31/2018 2:02:40 PM (UTC)
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet
[Ahrens et al 2011 Anal Chem Diffusion denuder vs hi volume air samplerspdf](#)
[Dreyer et al 2009 EST air concentrations of polyfluorinated compounds es....pdf](#)
[Emissions from incineration of fluoropolymer materials.pdf](#)
[Li et al 2011 Perfluorinated compounds in Asian Atmosphere es201739t.pdf](#)

Valerie,

I hope this helps.

Andy

From: Zartarian, Valerie
Sent: Wednesday, January 31, 2018 8:59 AM
To: Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet
Importance: High

Do you know of any outdoor air studies for PFAS other than **PFOA & PFOS**? Need this info to address the one comment from the ORD 363 tech review.

Thanks,
Valerie

Valerie Zartarian, Ph.D., Senior Scientist
Exposure Assessment and Community Decision Support Research
U.S. EPA Office of Research and Development
National Exposure Research Laboratory, Systems Exposure Division
Office Phone: 617-918-1541; Work cell: Ex. 6 Personal Privacy (PP)

From: Alapaty, Kiran
Sent: Wednesday, January 31, 2018 8:48 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet

Ex. 5 Deliberative Process (DP)

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Kiran Alapaty | MD E205-09 | 919 541 3130

From: Strynar, Mark
Sent: Wednesday, January 31, 2018 8:22 AM
To: Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet

Yes; Ex. 5 Deliberative Process (DP) Not
sure it should be cited there.

Mark

From: Zartarian, Valerie
Sent: Wednesday, January 31, 2018 7:52 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet

Thanks Mark. Does this work?

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Valerie Zartarian, Ph.D., Senior Scientist
Exposure Assessment and Community Decision Support Research
U.S. EPA Office of Research and Development
National Exposure Research Laboratory, Systems Exposure Division
Office Phone: 617-918-1541; Work cell: Ex. 6 Personal Privacy (PP)

From: Strynar, Mark
Sent: Wednesday, January 31, 2018 7:09 AM
To: Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: RE: last Q. before clearance cob today - PFAS in dust bullet

Ex. 5 Deliberative Process (DP)

Mark

From: Zartarian, Valerie
Sent: Tuesday, January 30, 2018 4:51 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: last Q. before clearance cob today - PFAS in dust bullet
Importance: High

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Ex. 5 Deliberative Process (DP)

From: Zartarian, Valerie

Sent: Tuesday, January 30, 2018 4:06 PM

To: Strynar, Mark <strynar.mark@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>

Subject: RE: edits to these 2 draft PFAS in air slides?

Have you seen this one?

Karaskova, P., et al. (2016). "Perfluorinated alkyl substances (PFASs) in household dust in Central Europe and North America." Environment International 94: 315-324.

Valerie Zartarian, Ph.D., Senior Scientist
Exposure Assessment and Community Decision Support Research
U.S. EPA Office of Research and Development
National Exposure Research Laboratory, Systems Exposure Division
Office Phone: 617-918-1541; Work cell: Ex. 6 Personal Privacy (PP)

From: Strynar, Mark

Sent: Wednesday, January 24, 2018 7:46 AM

To: Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>

Subject: RE: edits to these 2 draft PFAS in air slides?

Valerie,

I had not yet seen this paper. However that is what it suggests.

Mark

From: Zartarian, Valerie
Sent: Tuesday, January 23, 2018 1:08 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>
Subject: RE: edits to these 2 draft PFAS in air slides?

OK thanks Mark. Here's a 2017 paper that may be of interest (OW just sent it to me) **Ex. 5 Deliberative Process (DP)**

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Valerie Zartarian, Ph.D., Senior Scientist
Exposure Assessment and Community Decision Support Research
U.S. EPA Office of Research and Development
National Exposure Research Laboratory, Systems Exposure Division
Office Phone: 617-918-1541; Work cell: **Ex. 6 Personal Privacy (PP)**

From: Strynar, Mark
Sent: Tuesday, January 23, 2018 7:19 AM
To: Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>
Subject: RE: edits to these 2 draft PFAS in air slides?

Valerie,

Those ranges are in line with our 2008 ES&T Strynar and Lindstrom house dust findings. No issues.

Mark

From: Zartarian, Valerie
Sent: Monday, January 22, 2018 4:27 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>
Subject: RE: edits to these 2 draft PFAS in air slides?

For the house dust slide I could add this bullet with info I saw in an ATSDR report unless any concerns:

Ex. 5 Deliberative Process (DP)

From: Strynar, Mark
Sent: Monday, January 22, 2018 12:08 PM
To: Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Mazza, Carl <Mazza.Carl@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Hagler, Gayle <Hagler.Gayle@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>
Subject: RE: edits to these 2 draft PFAS in air slides?

I don't have any edits.

Mark

From: Zartarian, Valerie
Sent: Monday, January 22, 2018 12:00 PM
To: Mazza, Carl <Mazza.Carl@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Hagler, Gayle <Hagler.Gayle@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>
Subject: edits to these 2 draft PFAS in air slides?
Importance: High

Hi all, please let me know if you have any suggested edits to these 2 slides (part of exposure science talk at 2/5 PFAS Federal Info Exchange). I need to start them through the review/clearance process asap. Thanks!

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Ex. 5 Deliberative Process (DP)

From: Zartarian, Valerie

Sent: Thursday, January 18, 2018 10:24 PM

To: Mazza, Carl <Mazza.Carl@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>

Cc: Hagler, Gayle <Hagler.Gayle@epa.gov>; Alapaty, Kiran <Alapaty.Kiran@epa.gov>

Subject: OAR input on 2 draft PFAS in air slides?

Hi Carl and Amy, would you/others in OAR want to provide any suggested edits on these 2 slides as part of my exposure science talk for the 2/5 Federal PFAS Info Exchange? I'm hoping to finish the draft presentation for clearance on Monday. Also let me know if I should ask specific EPA regional folks for their input on these. Thanks!

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Valerie Zartarian, Ph.D., Senior Scientist
Exposure Assessment and Community Decision Support Research
U.S. EPA Office of Research and Development
National Exposure Research Laboratory, Systems Exposure Division
Office Phone: 617-918-1541; Work cell: Ex. 6 Personal Privacy (PP)